

## pfSense - Bug #9074

### Alias URL lists only storing last-most list in config.

10/28/2018 07:45 AM - Paul Bramhall

<b>Status:</b>	Resolved	<b>Start date:</b>	10/28/2018
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Renato Botelho	<b>% Done:</b>	100%
<b>Category:</b>	Aliases / Tables	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.5.0		
<b>Affected Version:</b>	2.4.x	<b>Affected Architecture:</b>	All

#### Description

When creating an Alias URL list under Firewall->Aliases->URLs, only the IP's from the last-most URL in the list is what is stored in the /cf/conf/config.xml file. The other previous URLs in the list, even though correctly validated & checked, are not kept.

It looks as though the issue lies within the /usr/local/www/firewall\_aliases\_edit.php file. The issue appears to be that during the loop where each url is downloaded & parsed, the \$addresses array is replaced & not appended to when each URL is pulled in & validated. (lines 292 to 299)

```
if (file_exists("${temp_filename}/aliases")) {
    $address = parse_aliases_file("${temp_filename}/aliases", $_POST['type'], 5000);
    if ($address == null) {
        /* nothing was found */
        $input_errors[] = sprintf(gettext("
A valid URL must be provided. Could not fetch usable data from '%s'."), $_POST['address' . $x]);
    }
    mwexec("/bin/rm -rf " . escapeshellarg($temp_filename));
} else {
```

The following patch solves the issue for me, where the array is appended during each iteration.

```
@@ -253,6 +253,7 @@
    for ($x = 0; $x < $max_alias_addresses - 1; $x++) {
        $_POST['address' . $x] = trim($_POST['address' . $x]);
        if ($_POST['address' . $x]) {
+           $t_address = array();
            /* fetch down and add in */
            $temp_filename = tempnam("${g['tmp_path']}/", "alias_import");
            unlink_if_exists($temp_filename);
@@ -290,10 +291,13 @@
        }

        if (file_exists("${temp_filename}/aliases")) {
-           $address = parse_aliases_file("${temp_filename}/aliases", $_POST['type'], 5000
);
+           if ($address == null) {
+               $t_
address = parse_aliases_file("${temp_filename}/aliases", $_POST['type'], 5000);
+               if ($t_address == null) {
+                   /* nothing was found */
+                   $input_errors[] = sprintf(gettext("A valid URL must be provided. Could no
t fetch usable data from '%s'."), $_POST['address' . $x]);
+               } else {
+                   $address += $t_address;
+               }
+               unset($t_address);
```

```
        mwexec("/bin/rm -rf " . escapeshellarg($temp_filename));
    } else {
    ...
        mwexec("/bin/rm -rf " . escapeshellarg($temp_filename));
    } else {
```

## History

### #1 - 10/29/2018 07:59 AM - Paul Bramhall

There still appeared to be some odd behaviour with the change I did above where it was not always appending the array, the following fixes it, as instead of just appending (+) I am now using the array\_push functionality:

```
@@ -253,6 +253,7 @@
    for ($x = 0; $x < $max_alias_addresses - 1; $x++) {
        $_POST['address' . $x] = trim($_POST['address' . $x]);
        if ($_POST['address' . $x]) {
+           $t_address = array();
            /* fetch down and add in */
            $temp_filename = tempnam("${g['tmp_path']}/", "alias_import");
            unlink_if_exists($temp_filename);
@@ -290,10 +291,13 @@
        }

        if (file_exists("${temp_filename}/aliases")) {
-           $address = parse_aliases_file("${temp_filename}/aliases", $_POST['type'], 5000);
-           if ($address == null) {
+           $t_address = parse_aliases_file("${temp_filename}/aliases", $_POST['type'], 5000);
+           if ($t_address == null) {
                /* nothing was found */
                $input_errors[] = sprintf(gettext("A valid URL must be provided. Could not fetch usable data from '%s'."), $_POST['address' . $x]);
+           } else {
                array_push($address, ...$t_address);
            }
+           unset($t_address);
            mwexec("/bin/rm -rf " . escapeshellarg($temp_filename));
        } else {
```

### #2 - 10/30/2018 09:21 AM - Paul Bramhall

Submitted pull request:

<https://github.com/pfsense/pfsense/pull/4002>

### #3 - 03/02/2019 11:55 AM - Danilo Zrenjanin

Applied <https://github.com/pfsense/pfsense/pull/4002/commits/f5c56bf8189d515af203c398f473c9b3adfff98b> and <https://github.com/pfsense/pfsense/pull/4002/commits/9df78d6b92b98b88055c2feffc29111ee15ea2b0> via system\_patches and not only the IPs from the last-most URL appeared in config.xml

#### Before the patch:

```
<alias>
  <name>Bug_9074_test</name>
  <type>url</type>
  <aliasurl>https://127.0.0.1/danilo_test.txt</aliasurl>
  <aliasurl>https://127.0.0.1/danilo_test1.txt</aliasurl>
  <address>1.1.1.1 8.8.8.8 8.8.4.4</address>
  <descr><![CDATA[test]]></descr>
  <detail><![CDATA[Entry added Sat, 02 Mar 2019 10:53:28 +0100||Entry added Sat, 02 Mar
2019 11:57:33 +0100]]></detail>
</alias>
```

#### After the patch:

```
<alias>
  <name>Bug_9074_test</name>
  <type>url</type>
  <aliasurl>https://127.0.0.1/danilo_test.txt</aliasurl>
  <aliasurl>https://127.0.0.1/danilo_test1.txt</aliasurl>
  <address>195.252.110.81 18.211.55.24 18.210.212.54 18.191.54.162 18.219.105.141 8.8.8.
8 1.1.1.1 8.8.4.4</address>
  <descr></descr>
  <detail><![CDATA[Entry added Sat, 02 Mar 2019 12:53:50 +0000||Entry added Sat, 02 Mar
2019 12:53:50 +0000]]></detail>
</alias>
```

Looks good now.

**#4 - 03/02/2019 03:45 PM - Jim Pingle**

- *Target version set to 2.5.0*
- *Affected Architecture set to All*

**#5 - 06/03/2019 11:21 AM - Renato Botelho**

- *Assignee set to Renato Botelho*

PR has been merged. Thanks!

**#6 - 06/03/2019 11:21 AM - Renato Botelho**

- *Status changed from New to Feedback*
- *% Done changed from 0 to 100*

**#7 - 08/11/2019 04:04 PM - Chris Linstruth**

Tested. Table populated with last URL contents under 2.4.4-p3 and both URL contents using latest snapshot. Looks good.

**#8 - 08/11/2019 04:59 PM - Jim Pingle**

- *Status changed from Feedback to Resolved*

**#9 - 08/21/2019 11:03 AM - Jim Pingle**

- *Category changed from Rules / NAT to Aliases / Tables*